



Date: May 22, 2012

To: Thomas J. Bonfield, City Manager
Through: Theodore L. Voorhees, Deputy City Manager
From: Marvin G. Williams, Director of Public Works
Subject: Capital Improvement Project Contract Approval –Northeast Creek Water Quality Modeling Services

Executive Summary

The City of Durham is facing water quality management challenges in the Northeast Creek that flows to Jordan Lake. Northeast Creek has impaired water quality as described in the North Carolina Impaired Waters List (aka 303(d) list). Water quality modeling is needed to develop attainable goals and cost-effective tools to meet state water quality standards in the Northeast Creek.

Recommendation

The administration recommends that the City Council:

1. Authorize the City Manager to execute a contract with Tetra Tech in an amount of \$227,108.00 for the Northeast Creek Water Quality Modeling Services;
2. Establish a contingency fund of \$22,892.00; and
3. Authorize the City Manager to negotiate and execute amendments to the contract provided that the cost of all amendments does not exceed \$22,892.00 and the total contract project cost does not exceed \$250,000.00.

Background

Northeast Creek has been included on the state list of impaired waters, the 303 (d) list, by the North Carolina Division of Water Quality (NCDWQ). To effectively manage and improve water quality of Northeast Creek, Stormwater Services is developing a watershed management and improvement plan (WMIP), scheduled to be completed in August 2012. The WMIP has developed strategies that should be implemented to improve Northeast Creek's water quality. The purpose of this water quality modeling contract is to evaluate the efficiency of existing tools and strategies for achieving state water quality standards in Northeast Creek. This contract will enhance the existing model and develop a new water quality model for dissolved oxygen. The information resulting from this project can be applied to future regulatory uses such as development of a Total Maximum Daily Load (TMDL) for Northeast Creek.

Alternatives

The Council can choose to reject the proposed project, which would result in loss of the project benefits such as development of attainable goals and cost-effective tools in the Northeast Creek to meet state water quality standards.

Financial Impact

The City of Durham will pay Tetra Tech, Inc. up to \$227,108.00 with a contingency of \$22,892.00, resulting in a total potential, not to exceed amount of \$250,000.00 from the Public Works capital improvement program budget (organization code-4300L045, object code-725000, contingency object code-731900, Project code-LK102).

SDBE Summary

The Equal Opportunity/Equity Assurance Department reviewed the proposal submitted by Tetra Tech, Inc. of Research Triangle Park, NC and have determined that they are in compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.

SDBE REQUIREMENTS

No MSDBE or WSDBE goals were set.

WORKFORCE STATISTICS

Workforce statistics for Tetra Tech, Inc. are as follows:
(Consolidated)

Total Workforce	862	
Total Females	351	(41%)
Total Males	511	(59%)
Black Males	14	(2%)
White Males	418	(48%)
Other Males	79	(9%)
Black Females	16	(2%)
White Females	264	(31%)
Other Females	71	(8%)

Attachments

Copy of the contract and scope of services